



DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
2170 SW CANAL STREET  
STUART, FL 34997

REPLY TO  
ATTENTION OF

May 14 2008

Regulatory Division  
Palm Beach Gardens Regulatory Office  
SAJ-2007-5850 (IP-AAZ)

Florida Department of Transportation  
Attn: Mr. John Palenchar  
1000 NW 111<sup>th</sup> Avenue, Room 6101  
Miami, Florida 33172

Dear Mr. Palenchar:

The U.S. Army Corps of Engineers (Corps) is pleased to enclose the Department of the Army permit, which should be available at the construction site. Work may begin immediately but the Corps must be notified of:

- a. The date of commencement of the work,
- b. The dates of work suspensions and resummptions of work, if suspended over a week, and
- c. The date of final completion.

This information should be mailed to the Enforcement Section of the Regulatory Division of the Jacksonville District at Post Office Box 4970, Jacksonville, Florida 32232-0019. The Enforcement Section is also responsible for inspections to determine whether Permittees have strictly adhered to permit conditions.

IT IS NOT LAWFUL TO DEVIATE FROM  
THE APPROVED PLANS ENCLOSED.

Sincerely,

A handwritten signature in cursive script that reads "Stephen R. Sullivan".

Stephen R. Sullivan  
Chief Regulatory Division

# **DEPARTMENT OF THE ARMY PERMIT**

**Permittee:** Florida Department of Transportation  
Attn: Mr. John Palenchar  
1000 NW 111<sup>th</sup> Avenue, Room 6101  
Miami, FL 33172

**Permit No:** SAJ-2007-5850(IP-AAZ)

**Issuing Office: U.S. Army Engineer District, Jacksonville**

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

**Project Description:** The project would construct a center turning lane (two-way left turning lane) along approximately 2.5 miles of SR5/US1 in Grassy Key. The improvements are proposed east of Blue Isle Boulevard (MM 57.4 to MM 59.9) in the limits of the City of Marathon, Monroe County, Florida. All work is to be completed from the existing road. As a result of the proposed work, approximately 2,004 cubic yards of material would be placed in 1.224 acres of mangrove wetlands and salt marsh wetlands. To offset the loss of wetland function and value, the applicant is proposing offsite mitigation on Plantation Key at a site known as the Islamorada Roadbed Site and the Summerland Key site. The mitigation plan includes the restoration of mangrove and salt grass wetlands. The work described above is to be completed in accordance with the drawings affixed at the end of this permit instrument.

**Project Location:** The proposed project is located adjacent to State Road 5(SR5)/US1/Overseas Highway from mile marker (MM) 57.4 to MM 59.9 in the Florida Keys, Monroe County, Florida.

Latitude 24° 45' 45.58" North Longitude -80° 57' 1.85" West

**Directions to site:** Travel to the southern end of the Florida's Turnpike, then south onto US1. Travel south on US1 to the Florida Keys. The project site is from MM 57.4 to MM 59.9 on Grassy Key.

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)  
PERMITTEE: Florida Department of Transportation, District 6  
PAGE 2 of 14

Permit Conditions

General Conditions:

1. The time limit for completing the work authorized ends on 1 May 2013. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature and the mailing address of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)  
PERMITTEE: Florida Department of Transportation, District 6  
PAGE 3 of 14

**Special Conditions:**

1. **Reporting Address:** All reports, documentation and correspondence required by the conditions of this permit shall be submitted to the following address: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232. The Permittee shall reference this permit number, SAJ-1996-3984(IP-AAZ), on all submittals.

2. **Commencement Notification:** Within 10 days from the date of initiating the authorized work, the Permittee shall provide to the Corps a written notification of the date of commencement of work authorized by this permit.

3. **Erosion Control:** Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas adjacent to wetlands shall be stabilized using sod, degradable mats, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work has been completed and the site has been stabilized.

4. **As-Builts:** Within 60 days of completion of the authorized work or at the expiration of the construction window of this permit, whichever occurs first, the Permittee shall submit as-built drawings of the authorized work and a completed As-Built Certification Form (Attachment 2) to the Corps. The drawings shall be signed and sealed by a registered professional engineer and include the following:

(a) A plan view drawing of the location of the authorized work footprint (as shown on the permit drawings) with an overlay of the work as constructed in the same scale as the attached permit drawings (8½-inch by 11-inch). The drawing should show all "earth disturbance," including wetland impacts, water management structures, and any on-site mitigation areas.

(b) List any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates, in any manner, from the authorized work, describe on the As-Built Certification Form the deviations

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)  
PERMITTEE: Florida Department of Transportation, District 6  
PAGE 4 of 14

between the work authorized by this permit and the work as constructed. Clearly indicate on the as-built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or As-Built Certification Form does not constitute approval of any deviations by the U.S. Army Corps of Engineers.

---

(c) The Department of the Army Permit number.

(d) Include pre- and post-construction aerial photographs of the project site, if available.

**5. Fill Material:**

(a) The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.

(b) The dredged spoil material and associated effluent shall be pumped to a self-contained temporary, bermed upland disposal site.

**6. Endangered Species:**

(a) The permittee agrees to abide by the enclosed Sea Turtle and Smalltooth Sawfish Construction Guidelines dated March 23, 2006.

(b) The permittee shall install and maintain protective construction fencing at the location near Station 615 on the north side of the U.S. Highway 1 to ensure no impacts would occur to the Garber's spurge as indicated in Attachment 2. Once construction activities occur within 0.10 mile of Station 615, the fencing shall be installed and maintained in an effective working condition.

(c) The permittee agrees to train all construction personnel working on the project site near Station 615 on the identification of the Garber's spurge and the best management practices employed to avoid impacts prior to any construction activities occurring.

(d) If the Garber's spurge is inadvertently impaired by the

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)  
PERMITTEE: Florida Department of Transportation, District 6  
PAGE 5 of 14

construction work, the permittee shall contact the Corps (attention Alisa Zarbo at 772-219-8418) and the FWS (attention John Wrublik at 772-562-3909) within 24 hours of the impact.

**7. Compensatory Mitigation:** Within 6 months from the from the date of initiating the authorized work or 12 months from the effective date of this permit, whichever first occurs, the Permittee shall complete the following mitigation objectives in accordance with the approved compensatory mitigation plan titled *Florida Department of Transportation US 1/SR-5 Grassy Key Turn Lane Wetland Impact Mitigation Plan for the U.S. Army Corps of Engineers*.

(a) Offsite Mitigation for Wetland Creation on Plantation Key: Remove fill from 1.8 acres of upland spoil and plant red and black mangroves.

(b) Offsite Mitigation for Wetland Enhancement on Plantation Key: Remove fill from 0.435 acres of salt marsh wetlands.

(c) Offsite Mitigation for Wetland Enhancement on Summerland Key: Restore 0.45 acre of wetlands by removal of fill material and planting of red and black mangroves. This permit acknowledges that an additional 0.082 credit authorized in the DA permit number 2007-3622(IP-AAZ) for restoration work at the Summerland Key site has been applied to mitigate for impacts resulting from this permit. Any potential future noncompliance for the success criteria on the Summerland Key site associated with the 0.082 credit would be applied to the 2007-3622 permit, which was also issued to the FDOT, District 6 on 27 March 2008.

These offsite compensatory mitigation areas shall be preserved in perpetuity in accordance with the **Conservation Easement** Special Condition of this permit.

**8. Performance Standards:** To meet the objectives of the approved compensatory mitigation plan, the Permittee shall achieve the following performance standards:

(a) At least 80 percent cover by appropriate wetland species (i.e., FAC or wetter).

(b) Less than 5 percent cover of Category I and II invasive exotic plant species, pursuant to the most current list established by the Florida Exotic Pest Plant Council at

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)  
PERMITTEE: Florida Department of Transportation, District 6  
PAGE 6 of 14

<http://www.fleppc.org> and by the Florida Keys Invasive Exotic Task Force at [http://www.keysgreenthumb.net/exotics\\_list.pdf](http://www.keysgreenthumb.net/exotics_list.pdf). The plant species shall include but are not limited to the nuisance species primrose willow (*Ludwigia peruviana*), dog fennel (*Eupatorium capillifolium*), Bermuda grass (*Cynodon spp.*), Bahia grass (*Paspalum notatum*), cattail (*Typha spp.*), Brazilian pepper (*Schinus terebinthifolius*), Australian pine (*Casuarina equisetifolia*), Seaside Mahoe (*Thespesia populnea*), Lead Tree (*Leucaena leucocephala*), and non-native Scaevola (*Scaevola sericea*).

(c) Less than 20 percent mortality of planted wetland species.

(d) Hydrologic enhancement will result in soils that are saturated to the surface between 5 and 12.5 percent of the growing season.

The Permittee shall achieve the above performance standards by the end of the 5-year monitoring period, with no maintenance during the 5th year of monitoring. In the event that the above performance standards have not been achieved, the Permittee shall undertake a remediation program approved by the Corps in accordance with the **Remediation** Special Condition of this permit.

9. **Monitoring and Reporting Timeframes:** To show compliance with the performance standards the Permittee shall complete the following:

(a) Perform a time-zero monitoring event of the wetland mitigation area(s) within 60 days of completion of the compensatory mitigation objectives identified in the **Compensatory Mitigation** Special Condition of this permit.

(b) Submit the time-zero report to the Corps within 60 days of completion of the monitoring event. The report will include a paragraph depicting baseline conditions of the mitigation site(s) prior to initiation of the compensatory mitigation objectives and a detailed plan view drawing of all created, enhanced and/or restored mitigation areas.

(c) Subsequent to completion of the compensatory mitigation objectives, perform semi-annual monitoring of the wetland mitigation areas for the first 3 years and annual

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)  
PERMITTEE: Florida Department of Transportation, District 6  
PAGE 7 of 14

monitoring thereafter for a total of no less than 5 years of monitoring.

(d) Submit annual monitoring reports to the Corps within 60 days of completion of the monitoring event. Semi-annual monitoring will be combined into one annual monitoring report.

(e) Monitor the mitigation area(s) and submit annual monitoring reports to the Corps until released in accordance with the **Mitigation Release** Special Condition of this permit.

10. **Reporting Format:** Annual monitoring reports shall follow a 10-page maximum report format for assessing compensatory mitigation sites. The Permittee shall submit all documentation to the Corps on 8½-inch by 11-inch paper, and include the following:

- (a) Project Overview (1 Page):
  - (1) Department of the Army Permit Number
  - (2) Name and contact information of Permittee and consultant
  - (3) Name of party responsible for conducting the monitoring and the date(s) the inspection was conducted
  - (4) A summary paragraph defining the purpose for the approved project, acreage and type of aquatic resources impacted, and mitigation acreage and type of aquatic resources authorized to compensate for the aquatic impacts
  - (5) Written description on the location and any identifiable information to locate the site perimeter(s)
  - (6) Directions to the mitigation site (from a major highway)
  - (7) Dates compensatory mitigation commenced and/or was completed
  - (8) Short statement on whether the performance standards are being met
  - (9) Dates of any recent corrective or maintenance activities conducted since the previous report submission

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)

PERMITTEE: Florida Department of Transportation, District 6

PAGE 8 of 14

(10) Specific recommendations for any additional corrective or remedial actions.

(b) Requirements (1 page): List the monitoring requirements and performance standards, as specified in the approved mitigation plan and special conditions of this permit, and evaluate whether the compensatory mitigation project site is successfully achieving the approved performance standards or trending towards success.

(c) Summary Data (maximum of 4 pages): Data shall be provided to substantiate the success and/or potential challenges associated with the compensatory mitigation project. Any photo documentation shall be dated and clearly labeled with the direction from which the photo was taken, and be identified on the appropriate maps.

(d) Maps (maximum of 3 pages): Maps shall be provided to show the location of the compensatory mitigation site relative to other landscape features, habitat types, locations of photographic reference points, transects, sampling data points, and/or other features pertinent to the mitigation plan.

(e) Conclusions (1 page): A general statement shall be included describing the conditions of the compensatory mitigation project. If performance standards are not being met, a brief explanation of the difficulties and potential remedial actions proposed by the Permittee, including a timetable, shall be provided.

11. **Remediation:** If the compensatory mitigation fails to meet the performance standards 5 years after completion of the compensatory mitigation objectives, the compensatory mitigation will be deemed unsuccessful. Within 60 days of notification by the Corps that the compensatory mitigation is unsuccessful, the Permittee shall submit to the Corps an alternate compensatory mitigation proposal to fully offset the functional loss that occurred as a result of the project. The alternate compensatory mitigation proposal may be required to include additional mitigation to compensate for the temporal loss of wetland function associated with the unsuccessful compensatory mitigation activities. The Corps reserves the right to fully evaluate, amend, and approve or reject the alternate compensatory mitigation proposal. Within 120 days of Corps approval, the

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)  
PERMITTEE: Florida Department of Transportation, District 6  
PAGE 9 of 14

Permittee will complete the alternate compensatory mitigation proposal.

12. **Mitigation Release:** The Permittee's responsibility to complete the required compensatory mitigation, as set forth in the **Compensatory Mitigation** Special Condition of this permit will not be considered fulfilled until mitigation success has been demonstrated and written verification has been provided by the Corps. A mitigation area which has been released will require no further monitoring or reporting by the Permittee; however the Permittee, Successors and subsequent Transferees remain perpetually responsible to ensure that the mitigation area(s) remain in a condition appropriate to offset the authorized impacts in accordance with General Condition 2 of this permit.

13. **Conservation Easement:** The Permittee shall preserve the 2.407 acres of upland and wetland areas on Plantation Key and the 0.45 acres of wetlands on Summerland Key in perpetuity by recording a conservation easement within the boundaries and location annotated on the attached Mitigation Plan, and in accordance with procedures outlined in the attached South Florida Water Management District permit and the following conditions:

(1) Within 30 days from the date of initiating the authorized work or 12 months from the effective date of this permit, whichever first occurs, the Permittee shall submit to the Corps a copy of the recorded conservation easement document with exhibits (including legal description and sketch).

(2) Any deviation from the established conservation easement cannot be performed without a modification to this permit instrument. The ability to modify or remove this conservation easement is neither implied nor guaranteed. If the conservation easement is removed for any reason, the Permittee shall provide appropriate mitigation to compensate for functional wetland loss.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)  
PERMITTEE: Florida Department of Transportation, District 6  
PAGE 10 of 14

(X) Section 10 of the Rivers and Harbors Act of 1899  
(33 U.S.C. 403).

(X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

( ) Section 103 of the Marine Protection, Research and  
Sanctuaries Act of 1972(33 U.S.C. 1413).

---

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal projects.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)

PERMITTEE: Florida Department of Transportation, District 6

PAGE 11 of 14

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions: General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

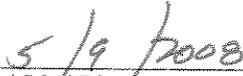
Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)

PERMITTEE: Florida Department of Transportation, District 6

PAGE 12 of 14

  
\_\_\_\_\_  
(PERMITTEE)

  
\_\_\_\_\_  
(DATE)

Mr. John Palenchar

Florida Department of Transportation, District 6

\_\_\_\_\_  
(PERMITTEE NAME-PRINTED)

This permit becomes effective when the Federal official,  
designated to act for the Secretary of the Army, has signed  
below.

  
\_\_\_\_\_  
(DISTRICT ENGINEER)  
Paul L. Grosskruger  
Colonel, U.S. Army

  
\_\_\_\_\_  
(DATE)

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)  
PERMITTEE: Florida Department of Transportation, District 6  
PAGE 13 of 14

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

---

\_\_\_\_\_  
(TRANSFEEE-SIGNATURE)

\_\_\_\_\_  
(DATE)

\_\_\_\_\_  
(NAME-PRINTED)

\_\_\_\_\_  
(ADDRESS)

\_\_\_\_\_  
(CITY, STATE, AND ZIP CODE)

PERMIT NUMBER: SAJ-2007-5850(IP-AAZ)  
PERMITTEE: Florida Department of Transportation, District 6  
PAGE 14 of 14

*Attachments to Department of the Army  
Permit Number SAJ-2007-5850(IP-AAZ)*

1. PERMIT DRAWINGS: (25) pages

---

2. FLORIDA DEPARTMENT OF TRANSPORTATION US 1/SR-5 GRASSY KEY  
TURN LANE WETLAND IMPACT MITIGATION PLAN FOR THE U.S. ARMY  
CORPS OF ENGINEERS: Forty-three (43) pages
3. WATER QUALITY CERTIFICATION: Specific Conditions of the water  
quality permit/certification in accordance with General  
Condition number 5 on page 2 of this DA permit.
4. SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION GUIDELINES:  
One (1) page dated March 23, 2006

071017-3 #

---

## **ATTACHMENT B**

### **Dredge/Fill Impact Drawings**

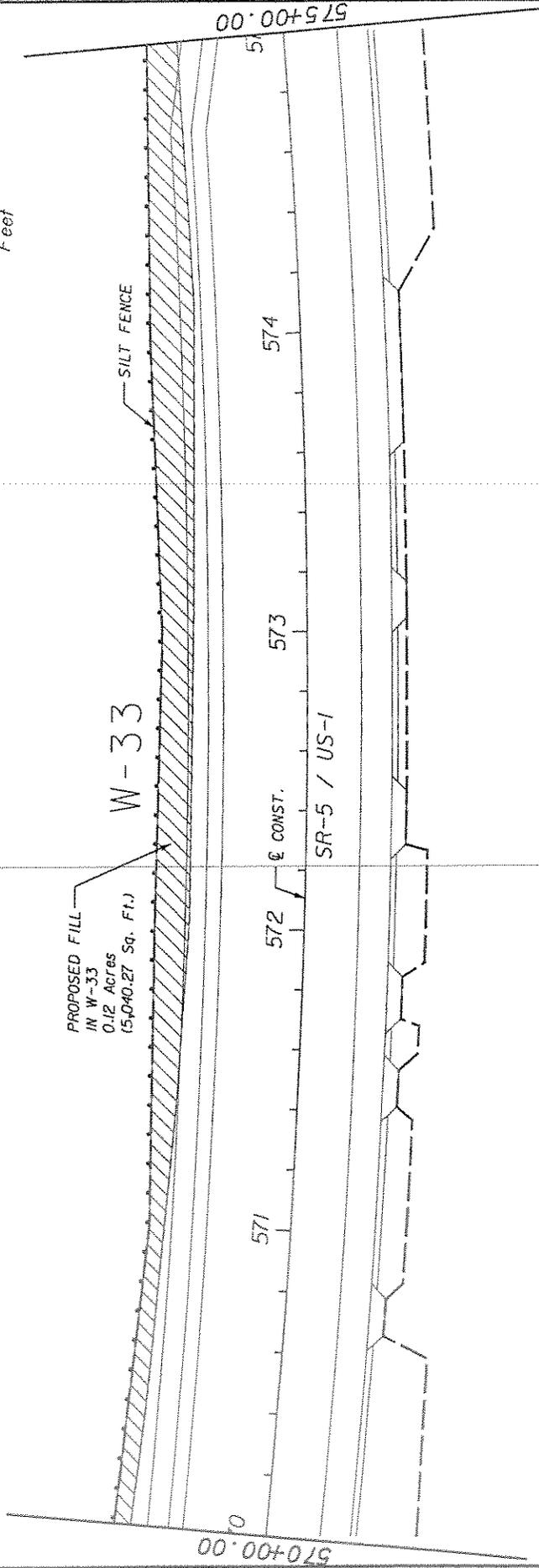
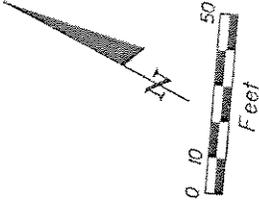
---

RECEIVED  
OCT 17 2007  
ENV RES REGULATION









**SHEET SUMMARY**



**PROPOSED FILL**  
 0.12 Acres (5,040.27 Sq. Ft.)  
 DENOTES WETLAND DESIGNATION

W-XX

*Walden*  
 9-18-07

APPLICANT : STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION WATER BODY : N/A COUNTY : MONROE DATUM : N.G.V.D. 1929	 <b>EAC</b> EAC CONSULTING, INC. 815 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33126 WWW.EACCONSULT.COM CA. # 7011	UBALDO F. LENA, P.E. P.E. LICENSE NO. 4067 815 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33126 WWW.EACCONSULT.COM CA. # 7011	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. : 5 COUNTY : 90040 FINANCIAL PROJECT ID : 405582-6-52-1	GRASSY KEY TURN LANE WETLAND IMPACT	SHEET NO. : 3
--	---	---	--	--	---------------



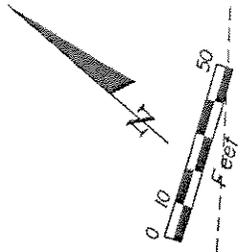












W-29

PROPOSED FILL  
IN W-28  
0.024 Acres  
(1,046.92 Sq. Ft.)

W-28

SILT FENCE

PROPOSED FILL  
IN W-27  
0.002 Acres  
(68.79 Sq. Ft.)

W-27

SILT FENCE

606

607

608

609

610

SR-5 / US-1

CONST.

PROPOSED FILL  
IN W-8  
0.004 Acres  
(179.12 Sq. Ft.)

W-8

SILT FENCE

005+00.00

00+00.00

SHEET SUMMARY



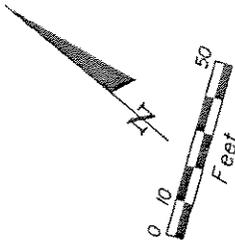
PROPOSED FILL  
0.03 Acres (1,294.83 Sq. Ft.)  
DENOTES WETLAND DESIGNATION

W-XX

*Ubaldo F. Lena*  
9-10-07

APPLICANT : STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO. 10	
WATER BODY : N/A	COUNTY : MONROE	ROAD NO. : 5	COUNTY : 90040	GRASSY KEY TURN LANE WETLAND IMPACT	
DATUM : N.G.V.D. 1929	URBALDO F. LENA, P.E. P.E. LICENSE NO. 4067 EAC CONSULTING, INC. 815 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33126 WWW.EACCONSULT.COM CA. # 7011	FINANCIAL PROJECT ID 405582-6-52-1			





W-30

PROPOSED FILL  
IN W-26  
0.116 Acres  
(5,067.35 Sq. Ft.)

SILT FENCE

W-26

615+00.00

620+00.00

616 617 618 619 620  
 £ CONST.  
 SR-5 / US-1

W-12

W-13

W-14

SHEET SUMMARY



PROPOSED FILL  
0.12 Acres (5,067.35 Sq. Ft.)  
DENOTES WETLAND DESIGNATION

W-XX

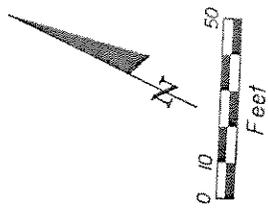
*Handwritten signature*  
9-10-07

APPLICANT : STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION WATER BODY : N/A COUNTY : MONROE DATUM : N.G.V.D. 1989		UBALDO F. LENA, P.E. P.E. LICENSE NO. 40187 EAC CONSULTING, INC. 815 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33126 WWW.EACCONSULT.COM CA. # 7011		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT ID 405582-6-52-1	COUNTY 90040	ROAD NO. 5	GRASSY KEY TURN LANE WETLAND IMPACT	SHEET NO. 12
		ROAD NO. 5	COUNTY 90040						









PROPOSED FILL  
IN W-22  
0.08 Acres  
(3,678.52 Sq. Ft.)

W-22

SILT FENCE

671

672

673

674

675

676

677

678

679

680

€ CONST.  
SR-5 / US-1

SILT FENCE

W-19

PROPOSED FILL  
IN W-19  
0.02 Acres  
(740.49 Sq. Ft.)

670+00.00

675+00.00

SHEET SUMMARY



PROPOSED FILL  
0.10 Acres (4,419.01 Sq. Ft.)

W-XX DENOTES WETLAND DESIGNATION

*Wild Plan*  
9-10-07

APPLICANT : STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
WATER BODY : N/A  
COUNTY : MONROE  
DATUM : N.G.V.D. 1929

**EAC**  
EAC Consulting, Inc.  
UBALDO F. LENA, P.E.  
P.E. LICENSE NO. 40167  
EAC CONSULTING, INC.  
815 N.W. 57TH AVENUE, SUITE 402  
MIAMI, FL 33126  
www.eacconsulting.com  
CA. # 7011

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
ROAD NO. : 5  
COUNTY : 90040  
FINANCIAL PROJECT ID : 405582-6-52-1

GRASSY KEY TURN LANE  
WETLAND IMPACT  
SHEET NO. : 16

















